

**U.S. DEPARTMENT OF ENERGY**  
**PUBLIC MEETING ON THE NOTICE OF PROPOSED RULEMAKING FOR**  
**CERTAIN COMMERCIAL AIR CONDITIONING, HEATING, AND WATER-**  
**HEATING EQUIPMENT**  
*(i.e. CERTAIN EQUIPMENT IN ASHRAE STANDARD 90.1-2007)*

**U.S. Department of Energy**  
**1000 Independence Avenue, SW**  
**Washington, DC 20585**  
**Room 8E-089**  
**Tuesday, April 7, 2009**

## **Purpose**

The U.S. Department of Energy (DOE) will present its methodology developed for the Notice of Proposed Rulemaking (NOPR) analyses addressing certain American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)/ Illuminating Engineering Society of North America (IESNA) Standard 90.1-2007 (*i.e.* ASHRAE Standard 90.1-2007) equipment and the results of the analyses. DOE will also describe its proposed test procedures and amended energy conservation standards for certain equipment classes in ASHRAE Standard 90.1-2007. Lastly, DOE will also seek input from interested parties on its methodologies, assumptions, data sources, test procedures, and proposed standard levels.

## **Agenda**

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|------------------------|---|
| <b>9:00 - 9:05 am</b>  | <b>Welcome</b><br><i>U.S. Department of Energy</i>  |
| <b>9:05 - 9:15 am</b>  | <b>Opening Remarks, Introduction and Agenda Review</b><br><i>Doug Brookman</i>  |
| <b>9:15 - 9:30 am</b>  | <b>Rulemaking Overview</b><br><i>Mohammed Khan</i><br>This is an overview of the purposes of the public meeting and the statutory authority and requirements DOE has for reviewing equipment in ASHRAE Standard 90.1-2007.                                    |
| <b>9:30 - 10:00 am</b> | <b>Brief Opening Remarks from Interested Parties</b><br><i>Doug Brookman</i><br>Interested parties are invited to make brief summary comments regarding the NOPR analyses and proposed test procedures and standards for ASHRAE Standard 90.1-2007 equipment. |

- 10:00 – 10:45 am**      **Determination of Scope and Test Procedures**  
*Adam Darlington*  
Summary presentation and discussion regarding the approach used and factors considered for the determination of scope and test procedure revisions.
- 10:45 - 11:00 am**      **Break**
- 11:00 – 11:45 am**      **Market Assessment and Engineering Analysis**  
*Adam Darlington*  
Summary presentation and discussion regarding the approach used and factors considered for the market assessment and engineering analysis.
- 11:45 – 12:30 pm**      **Life-cycle Cost and Payback Period Analyses**  
*David Winiarski*  
Summary presentation and discussion regarding the approach used and factors considered in the life-cycle cost and payback period analyses, including energy use characterization, markups to determine equipment price, fuel prices, and other inputs.
- 12:30 - 1:45 pm**      **Lunch (on your own)**
- 1:45 - 2:30 pm**      **National Impact Analysis**  
*David Winiarski*  
Summary presentation and discussion regarding the approach used and factors considered for the national energy savings analysis and net present value analysis.
- 2:30 - 2:45 pm**      **Break**
- 2:45 - 3:00 pm**      **Proposed Standard Levels**  
*Mohammed Khan*  
Presentation of the proposed standard levels for certain ASHRAE Standard 90.1-2007 equipment by DOE.
- 3:00 – 3:45 pm**      **Discussion of Proposed Standard Levels, Other Issues and Final Remarks from Interested Parties**  
*Doug Brookman*  
This is a facilitated discussion of the proposed standard levels, proposed test procedures, issues raised by DOE on the NOPR analyses, and issues identified by interested parties concerning the NOPR analyses and results for certain ASHRAE Standard 90.1-2007 equipment.
- 3:45 – 4:00 pm**      **Next Steps and Closing**

*Mohammed Khan*  
Adjournment of the public meeting.